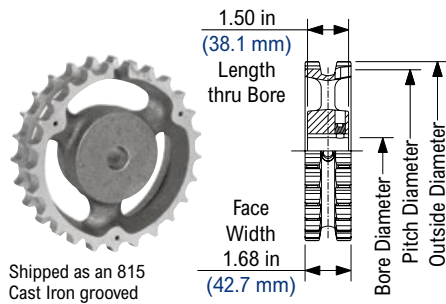
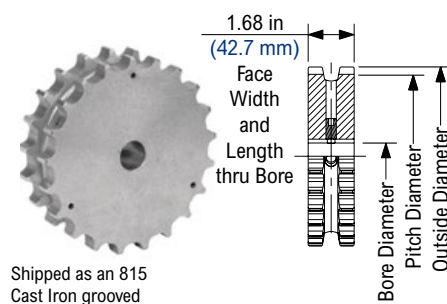


820 Cast Iron Arm Body Sprocket



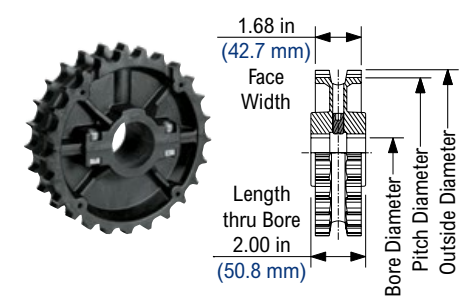
Shipped as an 815 Cast Iron grooved arm body sprocket

820 Cast Iron Block Body Sprocket



Shipped as an 815 Cast Iron grooved block body sprocket

NS820 Thermoplastic Split Sprocket



820 Cast Iron Arm Body Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
19	9 1/2	4.622	117.40	4.61	117.1	1	1 1/4	20	30	-	-	-	-	1	1 1/4	20	30	3.28	1.49
20	10	4.854	123.29	4.86	123.4	1	1 1/4	20	30	-	-	-	-	1	1 1/4	20	30	3.81	1.73
21	10 1/2	5.089	129.26	5.12	130.0	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	4.63	2.10
22	11	5.324	135.23	5.35	135.9	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	5.12	2.32
23	11 1/2	5.560	141.22	5.59	142.0	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	5.31	2.41
24	12	5.796	147.22	5.83	148.1	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	5.41	2.45
25	12 1/2	6.032	153.21	6.07	154.2	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	5.57	2.53
27	13 1/2	6.504	165.20	6.56	166.6	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	6.50	2.95
29	14 1/2	6.978	177.24	7.05	179.1	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	6.72	3.05
31	15 1/2	7.452	189.28	7.53	191.3	1	1 3/4	20	45	-	-	-	-	1	1 3/4	20	45	6.86	3.11
41	20 1/2	9.826	249.58	9.93	252.2	1	2 1/2	20	65	-	-	-	-	1	2 1/2	20	65	16.23	7.36

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

820 Cast Iron Block Body Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
13	6 1/2	3.228	81.99	3.11	79.0	1	1 1/4	20	30	-	-	-	-	1	1 1/4	20	30	2.45	1.11
15	7 1/2	3.688	93.68	3.63	92.2	1	1 1/4	20	30	-	-	-	-	1	1 1/4	20	30	3.57	1.62
17	8 1/2	4.152	105.46	4.12	104.6	1	1 11/16	20	40	-	-	-	-	1	1 11/16	20	40	4.83	2.19
21	10 1/2	5.089	129.26	5.12	130.0	1	2 11/16	20	70	-	-	-	-	1	2 11/16	20	70	4.63	2.10
25	12 1/2	6.032	153.21	6.07	154.2	1	3 7/16	20	90	-	-	-	-	1	3 7/16	20	90	5.57	2.53

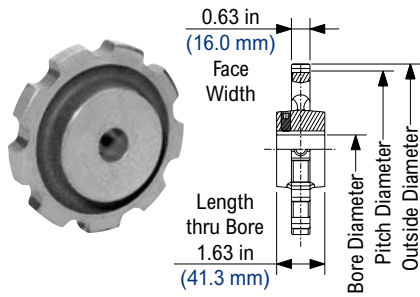
Shaft-ready round bore sprockets are shipped with keyway and setscrew.

NS820 Thermoplastic Split Sprocket Information

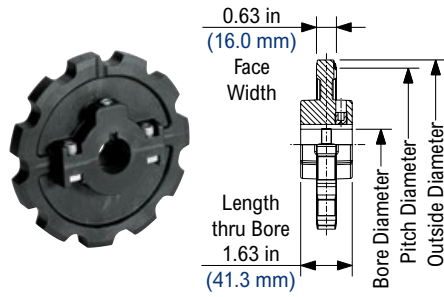
Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Idler)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
21	10 1/2	5.089	129.26	5.12	130.0	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	1.01	0.46
23	11 1/2	5.560	141.22	5.59	142.0	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	1.19	0.54
25	12 1/2	6.032	153.21	6.07	154.2	1	2	25	50	-	-	-	-	1	2	25	50	1.39	0.63
27	13 1/2	6.504	165.20	6.56	166.6	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	1.76	0.80

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

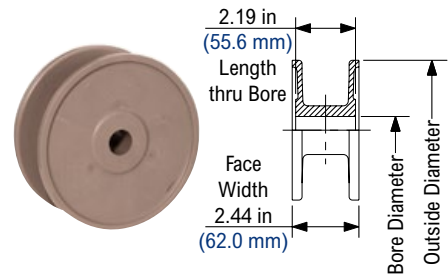
880 Cast Iron Sprocket



NS880 Thermoplastic Split Sprocket



815/820 Idler Wheel



880 Cast Iron Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
9	9	4.386	111.40	4.33	110.0	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	2.87	1.30
10	10	4.854	123.29	4.82	122.4	3/4	1 1/4	20	30	-	-	-	-	3/4	1 3/4	20	40	3.09	1.40
11	11	5.324	135.23	5.31	134.9	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	3.31	1.50
12	12	5.796	147.22	5.80	147.3	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	3.53	1.60
15	15	7.215	183.26	7.26	184.4	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	4.19	1.90

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

NS880 Thermoplastic Split Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
11	11	5.324	135.23	5.30	134.6	1	1 5/8	25	40	-	-	-	-	1	1 3/4	25	45	0.66	0.30
12	12	5.796	147.22	5.80	147.3	1	1 3/4	25	45	-	-	-	-	1	1 3/4	25	45	0.82	0.37

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

815/820 Idler Wheel Imperial Information

Equivalent Tooth Size	Outside Diameter		Imperial Bore Diameter (Idler)					Approximate Weight	
	in	mm						lbs	kg
21	5.11	129.8	7/8	1	1 3/16	1 1/4	1 1/2	0.49	0.22
23	5.60	142.2	7/8	1	1 3/16	1 1/4	1 1/2	0.59	0.27
25	6.09	154.7	7/8	1	1 3/16	1 1/4	1 1/2	0.66	0.30
27	6.56	166.6	-	-	-	1 1/4	-	0.70	0.32

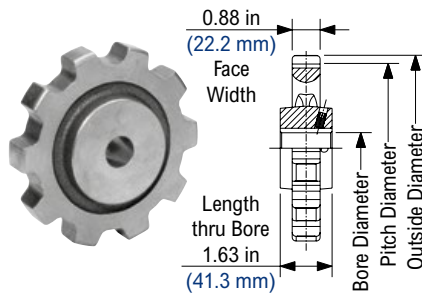
Idler wheels are designed to spin freely on the shaft. 27 tooth idler wheel is available on a made-to-order basis and is subject to minimum order requirements.

815/820 Idler Wheel Metric Information

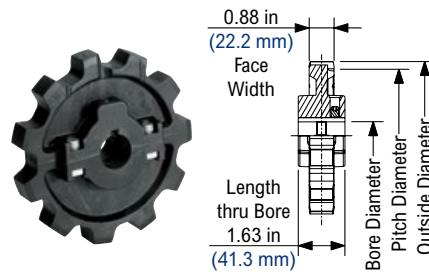
Equivalent Tooth Size	Outside Diameter		Metric Bore Diameter (Idler)				Approximate Weight	
	in	mm	mm				lbs	kg
21	5.11	129.8	25	30	35	40	0.49	0.22
23	5.60	142.2	25	30	35	40	0.59	0.27
25	6.09	154.7	25	30	35	40	0.66	0.30

Idler wheels are designed to spin freely on the shaft.

882 Cast Iron Sprocket



NS882 Thermoplastic Split Sprocket



882 Cast Iron Sprocket Information

Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
9	9	4.386	111.40	4.43	112.5	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	3.75	1.70
10	10	4.854	123.29	4.92	125.0	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	4.19	1.90
11	11	5.325	135.26	5.41	137.4	3/4	1 1/2	20	40	-	-	-	-	3/4	2 1/4	20	55	4.41	2.00
12	12	5.796	147.22	5.90	149.9	3/4	1 3/8	20	35	-	-	-	-	3/4	2 1/4	20	55	4.63	2.10
15	15	7.215	183.26	7.36	186.9	3/4	1 3/4	20	45	-	-	-	-	3/4	2 3/4	20	65	6.24	2.83

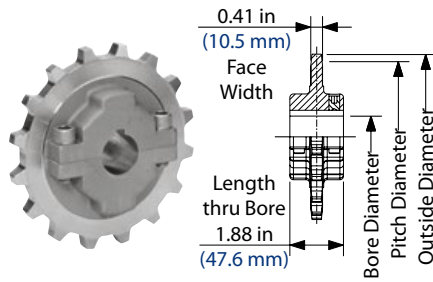
Shaft-ready round bore sprockets are shipped with keyway and setscrew.

NS882 Thermoplastic Split Sprocket Information

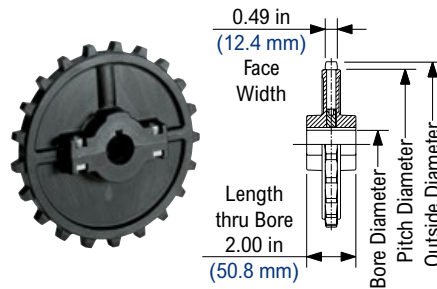
Number of Teeth		Pitch Diameter		Outside Diameter		Bore Diameter (Shaft-Ready)								Bore Diameter (Round)				Approximate Weight	
						Round				Square				in		mm			
						in	mm	min	max	min	max	min	max	min	max	min	max		
actual	effect	in	mm	in	mm	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
11	11	5.325	135.26	5.41	137.4	1	1 3/4	25	45	-	-	-	-	1	1 3/4	25	45	0.66	0.30
12	12	5.796	147.22	5.90	149.9	1	1 3/4	25	45	-	-	-	-	1	1 3/4	25	45	0.82	0.37

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

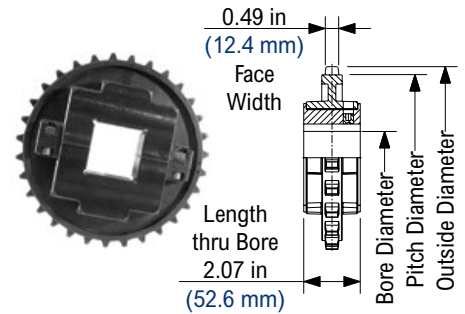
SSS7700 Stainless Steel Split Sprocket



NS7700 Thermoplastic Split Sprocket



NS7700 Thermoplastic Split Sprocket with Adapter



SSS7700 Stainless Steel Split Sprocket Information

Number of Teeth	Pitch Diameter	Outside Diameter	Bore Diameter (Shaft-Ready)										Bore Diameter (Round)				Approximate Weight		
			Round				Square						in		mm				
			in		mm		in		mm		in		mm						
actual	effect	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
16	16	5.126	130.20	5.14	130.6	1	2	25	50	1	1	25	25	1	2	25	50	3.50	1.59
18	18	5.759	146.28	5.78	146.8	1	2	25	50	1	1	25	25	1	2	25	50	5.00	2.27
21	21	6.710	170.43	6.72	170.7	1	2 1/2	25	60	1	3 1/2*	25	90*	1	3 1/2	25	60	6.00	2.72

Shaft-ready round bore sprockets are shipped with keyway and no setscrew.

* The 3-1/2 in and 90 mm bores for the 21 tooth square bore sprocket and all round bore sprockets above 1-1/2 in (40 mm) are supplied as machined bores. All other bores are supplied with split bore adapters.

Photo shows part number 614-63-1, an NS7700 thermoplastic split sprocket with 21 teeth and 1 inch shaft-ready bore.

NS7700 Thermoplastic Split Sprocket Information

Number of Teeth	Pitch Diameter	Outside Diameter	Bore Diameter (Shaft-Ready)										Bore Diameter (Round)				Approximate Weight		
			Round				Square						in		mm				
			in		mm		in		mm		in		mm						
actual	effect	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
16	16	5.126	130.20	5.14	130.6	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	0.73	0.33
18	18	5.759	146.28	5.78	146.8	1	1 5/8	25	40	-	-	-	-	1	1 5/8	25	40	0.84	0.38
21	21	6.710	170.43	6.72	170.7	1	1 5/8	25	40	3 1/2	3 1/2	90	90	1	1 5/8	25	40	0.97	0.44
31	31	9.885	251.08	9.93	252.2	2	4 1/2	50	120	2	4 1/2	50	120	2	4 1/2	50	120	3.72	1.69

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

* The 3-1/2 in and 90 mm square bore are supplied with bore adapters. 1-1/2 in and 40 mm round bore are supplied with bore adapters.

NS7700 Thermoplastic Split Sprocket with Adapter Information

Number of Teeth	Pitch Diameter	Outside Diameter	Bore Diameter (Shaft-Ready)										Bore Diameter (Idler)				Approximate Weight		
			Round				Square						in		mm				
			in		mm		in		mm		in		mm						
actual	effect	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	lbs	kg
21	21	6.710	170.43	6.72	170.7	1 11/16	2 1/2	25	65	1	3	25	75	1 11/16	3	25	75	0.97	0.44
31	31	9.885	251.08	9.93	252.2	1	1 15/16	25	45	1	1 1/2	25	40	1	1 15/16	25	40	3.72	1.69

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

* The 3-1/2 in and 90 mm square bore are supplied with bore adapters. 1-1/2 in and 40 mm round bore are supplied with bore adapters.